TASCAM

TEAC Production Products

244

PORTASTUDIO

SCHEMATIC DIAGRAM
DIAGRAMME SCHEMATIQUE
SCHEMATISCHES DIAGRAMM

SWITCH PCB ASSY

COUNTER DISPLAY ASSY

DRIVE PCB ASSY

PITCH CONTROL PCB ASSY

CAPSTAN MOTOR

REEL MOTOR

MECHANISM DRIVE MOTOR

REC SAFTY SW.

CASSET. IN SW.

CONTROL PCB (B) ASSY

SENSOR PCB ASSY

METER AMPL. PCB ASSY

VU METER

PLAYBACK AMPL. PCB ASSY

CONTROL PCB (A) ASSY

DBX PCB ASSY

RECORD AMPL. PCB ASSY

TAPE CUE AMPL. PCB

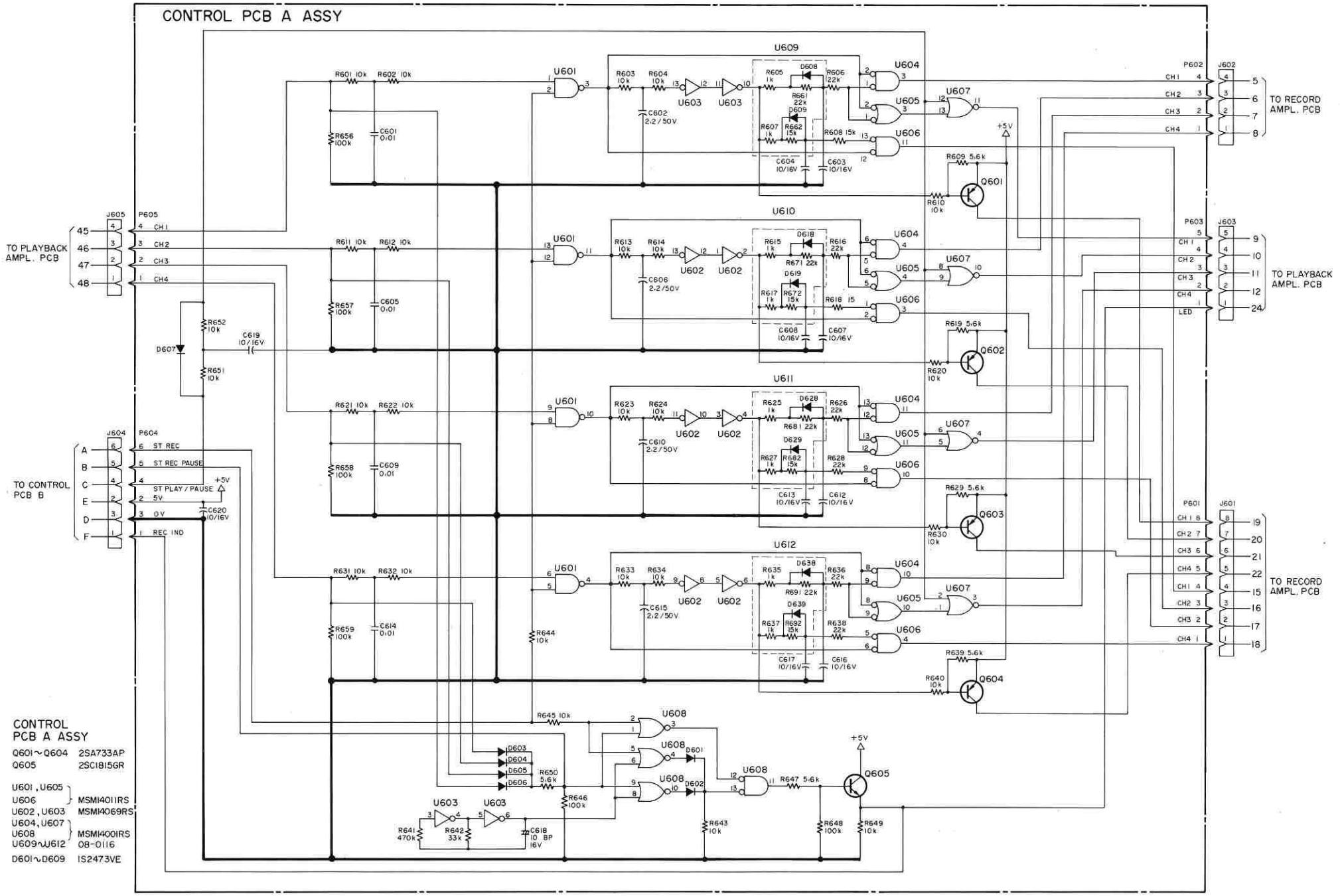
INPUT AMPL. PCB ASSY (CH 1)

INPUT AMPL. PCB ASSY (CH 2)

INPUT AMPL. PCB ASSY (CH 3)

INPUT AMPL. PCB ASSY (CH 4)

POWER SUPPLY / OUTPUT AMPL. PCB ASSY



CONTROL PCB A ASSY

Q601~Q604	2SA733AP
Q605	2SC1815GR
U601, U605	MSM1401IRS
U606	
U602, U603	MSM1406RS
U604, U607	MSM1400IRS
U608	
U609~U612	08-0116
D601~D609	IS2473VE

CONTROL PCB A ASSY

CONTROL PCB B ASSY

SWITCH PCB ASSY

ZERO·RTN (RED)
PAUSE (GRN)
RECORD (RED)
COUNTER·RESET
ZERO RTN
STOP
PAUSE
RECORD

U501

REMOTE·PUNCH IN/OUT

COUNTER DISPLAY ASSY

SENSOR PCB ASSY

DRIVE PCB ASSY

MECHNISM DRIVE MOTOR
REEL MOTOR
CAPSTAN MOTOR

PITCH CONTROL PCB ASSY

CONTROL DRIVE

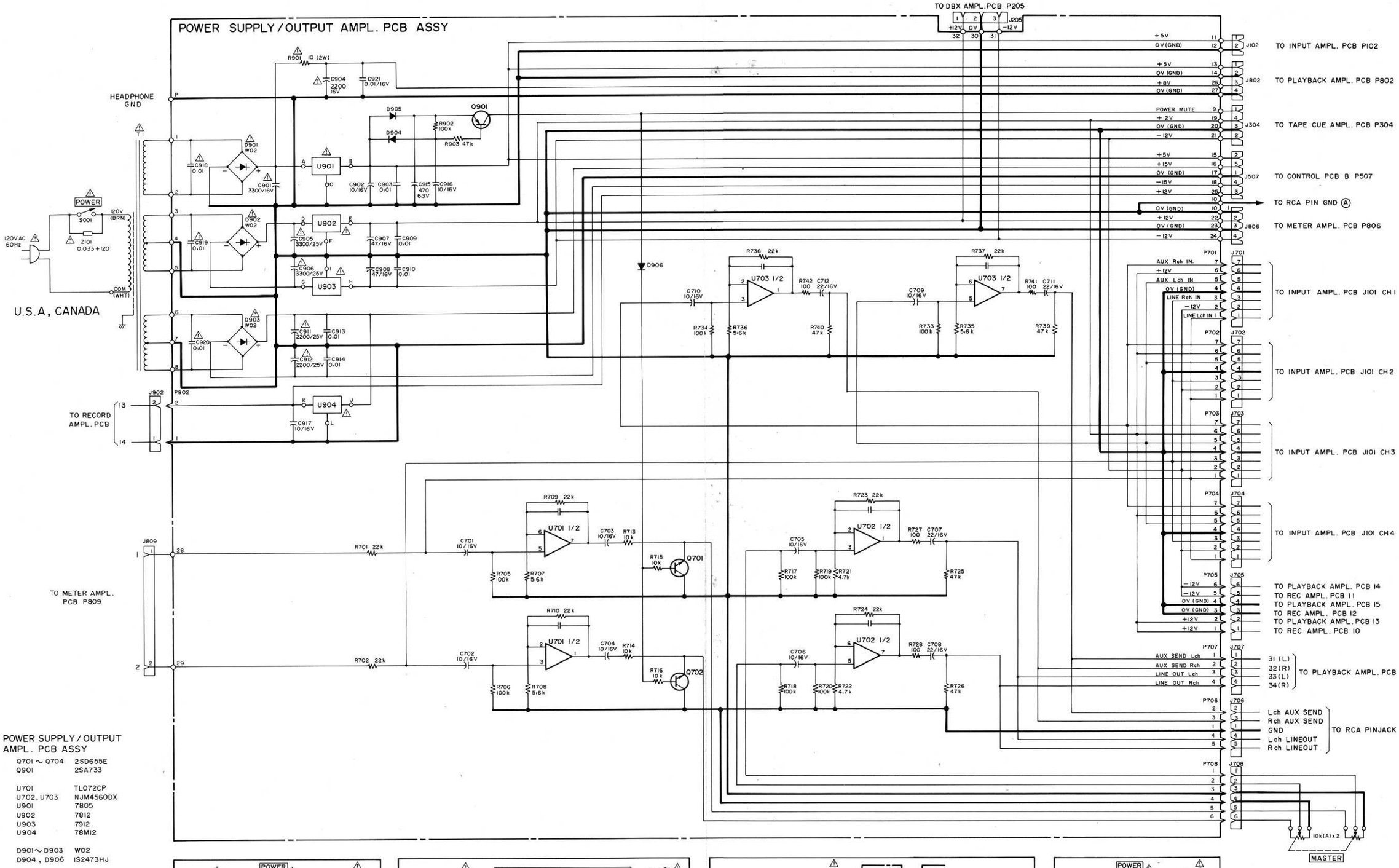
TO POWER SUPPLY/OUTPUT AMPL. PCB

TO CONTROL PCB A P604

39 TO PLAYBACK AMPL. PCB

CONTROL PCB B	
Q501~Q504	2SC1815GR
Q505	2SA1015GR
Q506, Q508	2SD235Y
Q507, Q509	2SA490Y
U501	M54410P
U502, U504	MC14001B
U503, U507	MC14081B
U505, U506, U508	M54517P
U509	μPC4557C
U510	TL170C
D1~D25	1S2473VE
D26	GZA-10L
D27	GZA-13L
D28, D29	GZA-11U
D30~D35	W03C

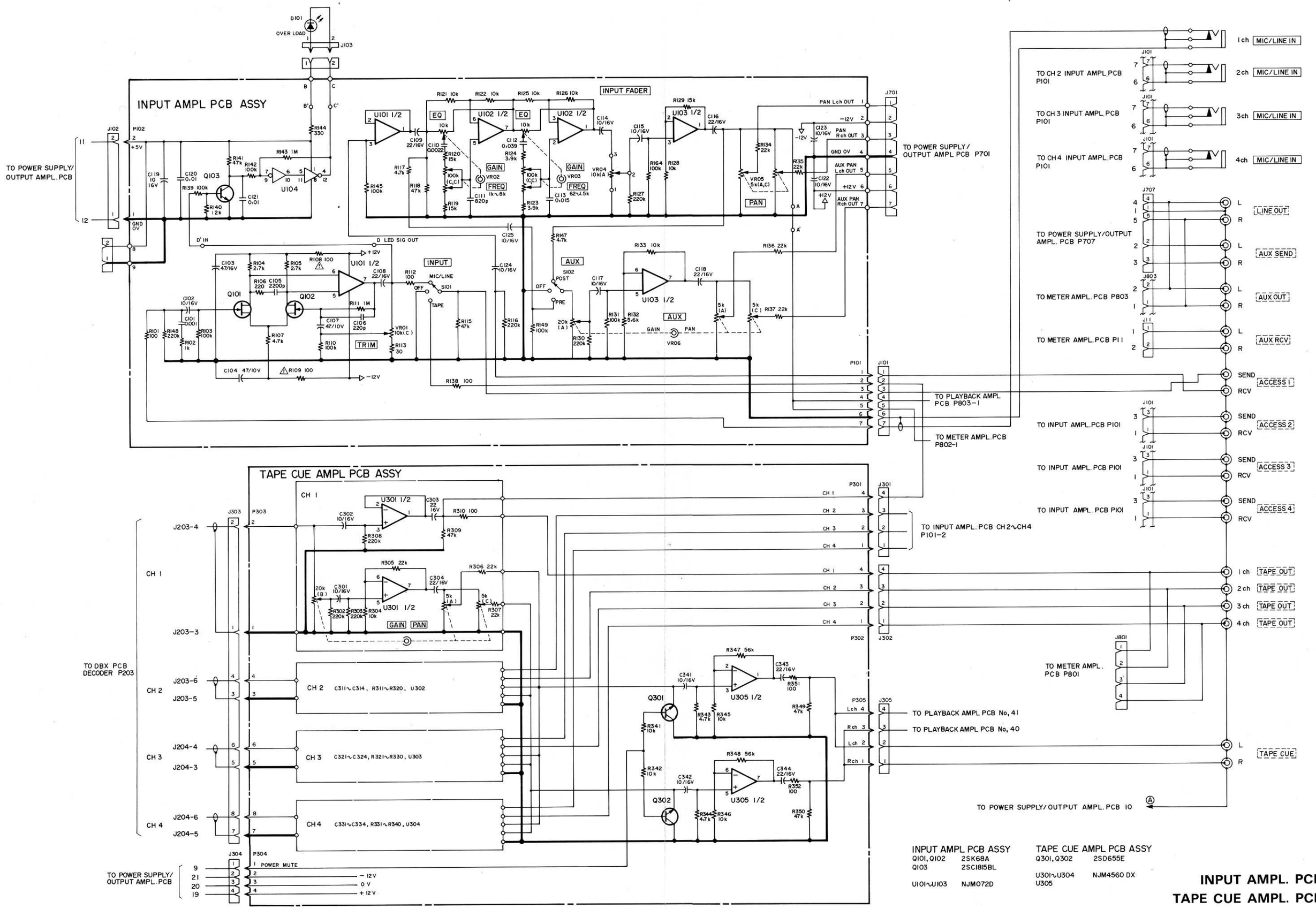
CONTROL PCB B ASS'



POWER SUPPLY / OUTPUT AMPL. PCB ASSY

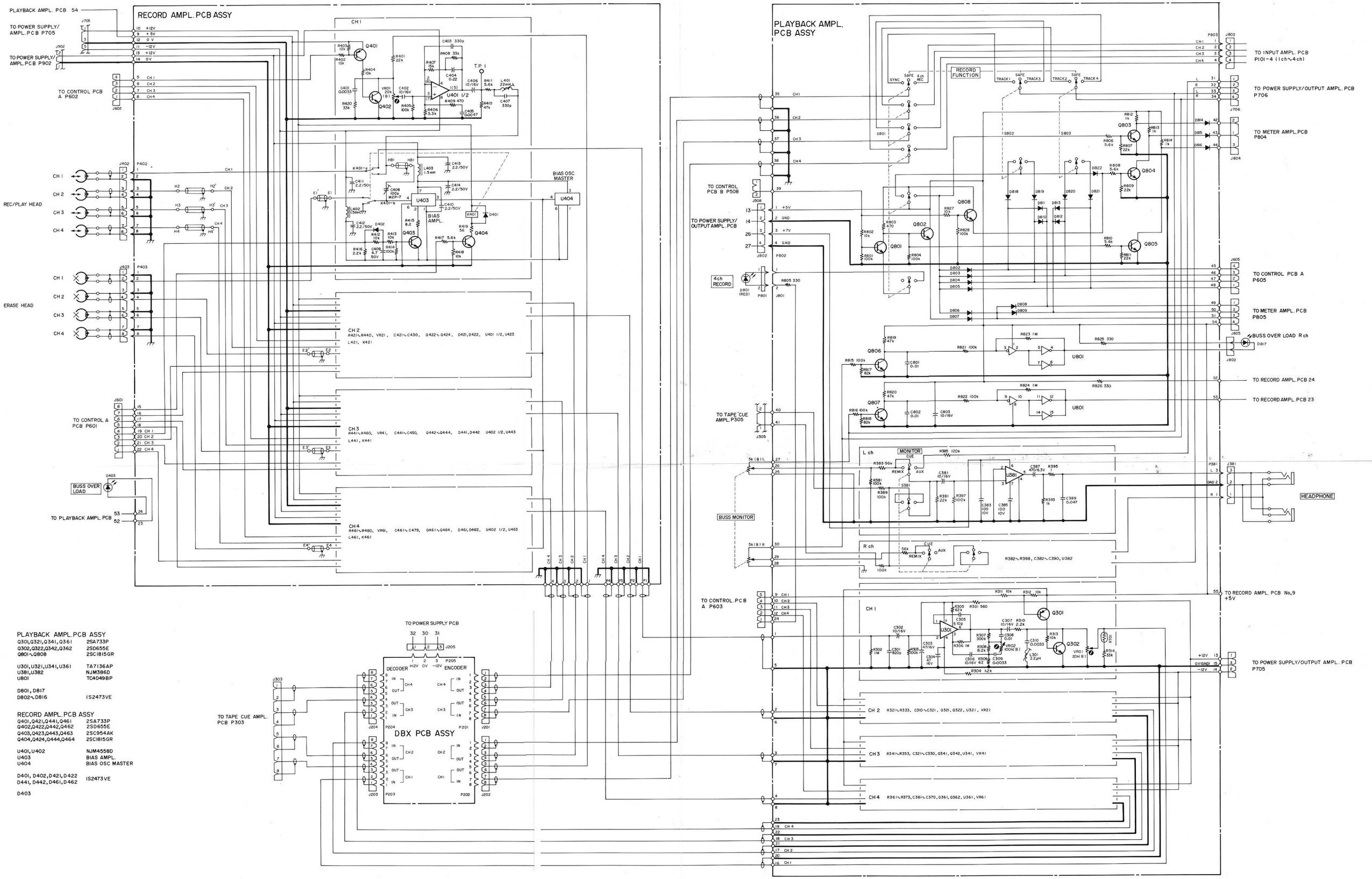
Q701 ~ Q704	2SD655E
Q901	2SA733
U701	TL072CP
U702, U703	NJM4560DX
U901	7805
U902	7812
U903	7912
U904	78M12
D901 ~ D903	W02
D904, D906	IS2473HJ

POWER SUPPLY/OUTPUT AMPL. PCB ASSY



INPUT AMPL PCB ASSY		TAPE CUE AMPL PCB ASSY	
Q101, Q102	2SK68A	Q301, Q302	2SD655E
Q103	2SC1815BL	U301~U304 U305	NJM4560 DX
U101~U103	NJM072D		

INPUT AMPL. PCB ASSY
TAPE CUE AMPL. PCB ASSY



PLAYBACK AMPL. PCB ASSY

Q301,Q321,Q341,Q361	2SA733P
Q302,Q322,Q342,Q362	2SD655E
Q801∿Q808	2SC1815GR
U301,U321,U341,U361	TA7136AP
U381,U382	NJM386D
U801	TC4049BP
D801, D817	
D802∿D816	IS2473VE

RECORD AMPL. PCB ASSY

Q401,Q421,Q441,Q461	2SA733P
Q402,Q422,Q442,Q462	2SD655E
Q403,Q423,Q443,Q463	2SC954AK
Q404,Q424,Q444,Q464	2SC1815GR
U401, U402	NJM4558D
U403	BIAS AMPL.
U404	BIAS OSC MASTER
D401, D402, D421, D422	IS2473VE
D441, D442, D461, D462	
D403	

RECORD AMPL. PCB ASSY
PLAYBACK AMPL. PCB ASSY

DBX AMPL. PCB ASSY

CH 1 ENCODER

TO PLAYBACK AMPL.PCB 35

TO RECORD AMPL. PCB 1

PLAYBACK AMPL. PCB 36

TO RECORD AMPL. PCB 2

CH 2 ENCODER U201∿U203 , Q201∿Q203 , R201∿R217, R257 , VR21, VR22 , C201∿C218

TO PLAYBACK AMPL. PCB 37

TO RECORD AMPL. PCB 3

CH 3 ENCODER U301∿U303 , Q301∿Q303, R301∿R317, R357 , VR31, VR32 , C301∿C318

TO PLAYBACK AMPL.PCB 38

TO RECORD AMPL. PCB 4

CH 4 ENCODER U401∿U403, Q401∿Q403 R401∿R417, R457, VR41 , VR42 , C401∿C418

CH 1 DECODER

TO PLAYBACK AMPL.PCB

TO PLAYBACK AMPL. PCB

CH 2 DECODER U204∿U206 , Q204∿Q206 , R219∿R256 , VR24, VR25 , C219∿C238

TO PLAYBACK AMPL. PCB

CH 3 DECODER U304∿U306 , Q304∿Q306, R319∿R356, VR34 , VR35 C319∿C338

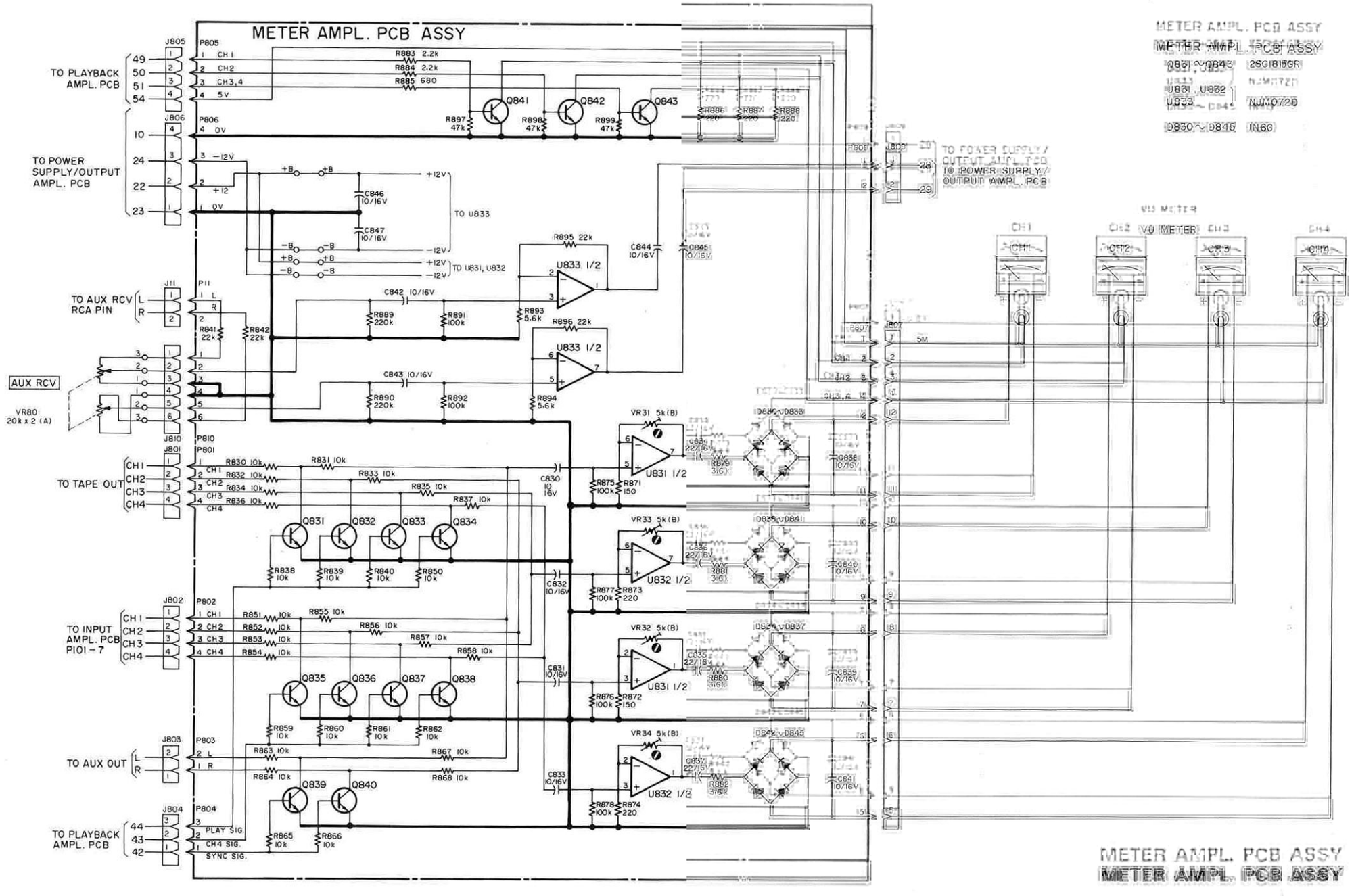
TO PLAYBACK AMPL. PCB

CH 4 DECODER U404∿U406, Q404∿Q406, R419∿R456 , VR44, VR45 C419∿C438

TO TAPE CUE AMPL. PCB P303

TO POWER SUPPLY PC

DBX AMPL. PCB ASSY


METER AMPL. PCB ASSY
TO PLAYBACK AMPL. PCB
TO POWER SUPPLY/OUTPUT AMPL. PCB
TO AUX RCV RCA PIN
AUX RCV
VR80 20k x 2 (A)
TO TAPE OUT
TO INPUT AMPL. PCB P101 – 7
TO AUX OUT
TO PLAYBACK AMPL. PCB
TO U833
TO U831, U832
TO POWER SUPPLY/ OUTPUT AMPL. PCB
TO POWER SUPPLY/ OUTPUT AMPL. PCB
VU METER
CH1
CH2
CH3
CH4
Q841
Q842
Q843
U833 1/2
U831 1/2
U832 1/2
Q831
Q832
Q833
Q834
Q835
Q836
Q837
Q838
Q839
Q840
METER AMPL. PCB ASSY
METER AMPL. PCB ASSY